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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,778,727 B2  
DATED : August 17, 2004  
INVENTOR(S) : Ramalingam et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2.

Line 31, delete "10" and insert -- 110 --.

Column 3.

Lines 11-12, delete "10<sup>315</sup>" and insert -- 10<sup>5</sup> --.

Column 5.

Line 56, delete "therm-optic" and insert -- thermo-optic --.

Signed and Sealed this

Twenty-first Day of December, 2004



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*